BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work: :- Providing LED Street lights/Poles/Control switches/control wires at Dark/volernabal places in Ward no 13,14 & 15

Name of Contractror of nature of Agency:- M/S. Nagaraju Lingaiah(vedha Electricals)

Job Code No:-013-22-000006

Agreement No:EE/Ele/DZ/TEND/AGR/000013/2022-23 Date:17.05.2022

Ref no and Date of commencement of work:-:- EE/Ele/DZ/TEND/WO/000017/22-23 Date/21/05/2022

Estimate Amount:Rs. 17469000.00

Administartive Sanction No:EE/(Elec)/DZ/TEND/AS/02/2021-22 Date:12.04.2022

Technical sanction No: EE/(Elec)/DZ/TEND/TS/13/2021-22 Date:05-01-2022

Measurement Book No: **Page No:**

Bill NO :- 1st & Final Bill

Item No	Sl. No.	Description	Unit	Present Measurements		
				Qty	Tender Full Rate	Cost
1		Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 90 Watts	Nos	1727	7661.20	13230892.40
2		Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe	each	1727	893.45	1542988.15
3		Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	each	1727	187.25	323380.75

		POLE NO	ADDRESS
	1	TC16/MPS/13/CGB /04/S	#2026,1st Cross,Pipe Line Road
	2	013/027/15	#2021,1st Cross,Pipe Line Road,Prasanth Nagar,Bangalore -560057
	3	013/028/28	#2021,1st Cross,Pipe Line Road,Prasanth Nagar,Bangalore -560057
	4	013/032/16	#4,Prasanth Nagar,Ravindra Nagar ,Reddy Layout

CFC 16/6/23

EE (Ele) DZ

For Vedha Electricals

Consultant

Contractor
Proprietor

JE/AE(Ele)

AEE(Ele)

JUNIOR ENGINEER(Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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				Qty	Tender Full Rate	Cost
9		1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooloing: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm^2 (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm^2 (Max) 4. Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	Km	1.571	157290	247102.59
10		Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	Km	1.571	24041.83	37769.71
		SHETTYHALLI LAKE ROAD				
	1	MPE/13/RMR/01/S	MPE/13/RMR/02/S	30MTR		
	2	MPE/13/RMR/02/S	MPE/13/RMR/03/S	33MTR		
	3	MPE/13/RMR/03/S	MPE/13/RMR/04/S	35MTR		
	4	MPE/13/RMR/04/S	MPE/13/RMR/05/S	36MTR		
	5	MPE/13/RMR/05/S	MPE/13/RMR/06/S	32MTR		
	6	MPE/13/RMR/06/S	MPE/13/RMR/07/S	35MTR		
	7	MPE/13/RMR/10/S	MPE/13/RMR/11/S	33MTR		
	8	MPE/13/RMR/11/S	MPE/13/RMR/12/S	32MTR		
	9	MPE/13/RMR/12/S	MPE/13/RMR/13/S	34MTR		
	10	MPE/13/RMR/13/S	MPE/13/RMR/13/S	35MTR		
	11	MPE/13/RMR/12/S	MPE/13/RMR/13/S	36MTR		
	12	MPE/13/RMR/12/S	MPE/13/RMR/13/S	38MTR		
	13	MPE/13/RMR/12/S	MPE/13/RMR/13/S	32MTR		
	14	MPE/13/RMR/12/S	MPE/13/RMR/13/S	35MTR		
	15	MPE/13/RMR/12/S	MPE/13/RMR/13/S	34MTR		
	16	MPE/13/RMR/12/S	MPE/13/RMR/13/S	33MTR		
	17	MPE/13/RMR/12/S	MPE/13/RMR/13/S	31MTR		

ASST. EXECUTIVE ENGINEER
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore Consultants

For Vedha Electricals
Contractor

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